

### ABSTRACT

A thermal cycling device for biological samples. The thermal cycling device may include a sample block, an annular plate, and a plurality of spring devices interposed between the sample block and the annular plate. The sample block has a plurality of openings for receiving sample wells of a sample well tray. The annular plate may be positioned adjacent the outer periphery of the sample block and may be configured to abut a bottom surface of the sample well tray when the sample well tray is positioned thereon. The plurality of spring device may be interposed between the sample block and the annular plate to urge the annular plate and sample well tray away from the sample block.